



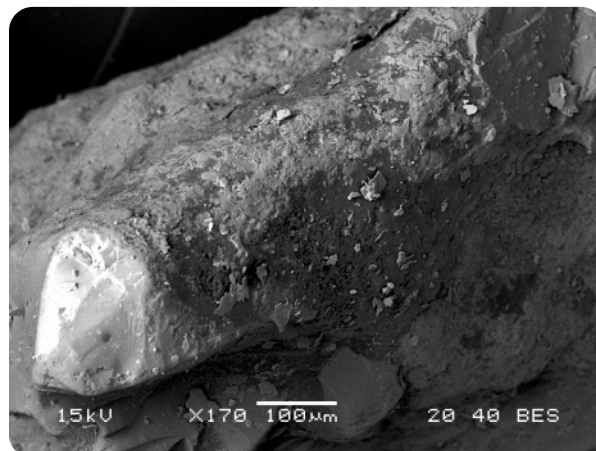
## XRD Mineralogy and SEM/EDS Mineral Coating Work

### Description

Sandia National Laboratories evaluated the mineralogy and grain coatings of sediment samples from the Housatonic River. This was done by using an X-Ray Diffractometer (XRD) for mineralogical measurements and a Scanning Electron Microscope (SEM) with an Energy Dispersive System (EDS) to visually identify coatings and their elements.

### Purpose

Quantitative analysis of mineral properties and associated surface coatings are necessary to determine both physical and chemical transport of contaminants in the Housatonic River sediments.



Quartz Grain with Organic Coating

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